

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TREATMENT OF PAIN USING TNFa INHIBITORS

the specification of which was filed on July 18, 2003 as Application No. 10/623035.

In the event that the filing date and/or Application No. are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request my attorneys/agent(s) at Lahive & Cockfield, LLP, 28 State Street, Boston, Massachusetts 02109, to insert above the filing date and/or Application No. of said application.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to herein.

I acknowledge the duty to disclose all information known to me that is material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

FOREIGN PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

| that of the application on which priority is claimed: | | |
|---|---|---|
| x no such foreign applications have been filed | • | |
| such foreign application have been filed as follows: | | • |
| • | | |

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

| Application Number | Country | Date of Filing | Priority Claimed Under 35 USC 119 |
|--------------------|---------|----------------|--------------------------------------|
| | | | Yes No |
| | | | Yes No |
| | | | Yes No |

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

| Application Number | Country | Date of Filing |
|--------------------|---------|----------------|
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CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

I hereby claim priority benefits under Title 35, United States Code §119(e), of any United States provisional patent application(s) listed below:

| | no such | U.S. | provisional | applications | have | been | filed | |
|--|---------|------|-------------|--------------|------|------|-------|--|
| | | | | | | | | |

x such U.S. provisional application have been filed as follows:

| Application Number | Date of Filing | Priority Claimed Under 35 USC 119 |
|--------------------|--------------------|--------------------------------------|
| 60/397275 | July 19, 2002 | x Yes No |
| 60/411081 | September 16, 2002 | x Yes No |
| 60/417490 | October 10, 2002 | x Yes No |
| 60/455777 | March 18, 2003 | x Yes No |

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of the United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information that is material to patentability in accordance with Title 37, Code of Federal

Regulations, §1.56 which became available to me between the filing date of the prior application and the national or PCT international filing date of this application:

| х | no such | U.S./PCT | applications | have | been | filed. |
|---|---------|----------|--------------|------|------|--------|
| | | | | | | |

| Application Number | Relationship | Parent Application | Date of Filing |
|--------------------|--------------|--------------------|----------------|
| | | | • |
| | | | |
| | | | |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint:

All practitioners at Customer Number 00959 (listed here):

| James E. Cockfield | 19,162 | Jeanne M. DiGiorgio | 41,710 | Hathaway P. Russell | 46,488 |
|------------------------|--------|--------------------------------------|--------|---------------------------|--------|
| Thomas V. Smurzynski | 24,798 | Megan E. Williams | 43,270 | John S. Curran | 50,445 |
| Ralph A. Loren | 29,325 | Jeremiah Lynch | 17,425 | Lisa M. DiRocco | 51,619 |
| Giulio A. DeConti, Jr. | 31,503 | David J. Rikkers | 43,882 | Danielle L. Herritt | 43,670 |
| Elizabeth A. Hanley | 33,505 | * Maria Laccotripe Zacharakis, Ph.D. | | Cynthia M. Soroos | 53,623 |
| Amy E. Mandragouras | 36,207 | Debra J. Milasincic | 46,931 | Jonathan M. Sparks, Ph.D. | 53,624 |
| Anthony A. Laurentano | 38,220 | David R. Burns | 46,590 | Merideth C. Arnold | 52,568 |
| Kevin J. Canning | 35,470 | Sean D. Detweiler | 42,482 | Peter W. Dini, Ph.D. | 52,821 |
| Jane E. Remillard | 38,872 | Cynthia L. Kanik, Ph.D. | 37,320 | Andrina Williams Zink | 54,539 |
| DeAnn F. Smith | 36,683 | Theodore R. West | 47,202 | John D. Lanza | 40,060 |
| | | | | | |

^{*} Limited Recognition Under 37 C.F.R. § 10.9(b)

all of Lahive & Cockfield, LLP, 28 State Street, Boston, Massachusetts 02109,

and to:

| Regina M. Anderson | 35,820 | Patricia Coleman James | 37,155 | Lawrence S. Pope | 26,791 |
|---------------------|--------|------------------------|--------|-----------------------|--------|
| Cheryl L. Becker | 35,441 | Gregory W. Steele | 33,796 | Christopher P. Rogers | 36,334 |
| Portia L. Chen, | 44,075 | David L. Weinstein | 28,128 | Nicholas A. Poulos | 30,209 |
| Dianne Casuto | 40,943 | Michael J. Ward | 37,960 | William E. Murray | 30,303 |
| Allen W. Wark | 30,503 | Brian R. Woodworth | 33,137 | William J. Winter | 36,060 |
| Steven R. Crowley | 31,604 | Steven F. Weinstock | 30,117 | Nickki L. Parlett | 44,996 |
| Andreas M. Danckers | 32,652 | Michael R. Crabb | 37,298 | David J. Schodin | 41,294 |
| Gregory B. Donner | 34,580 | Kalim S. Fuzail | 45,805 | Mimi C. Goller | 39,046 |
| Beth A. Vrioni | 39,869 | Paul D. Yasger | 37,477 | Thomas D. Brainard | 32,459 |

all of Abbott Laboratories, 100 Abbott Park Road, Abbott Park, IL 60064,

and to:

John D. Conway Tara Seshadri 39,150 Kenneth Zwicker 48,591

43,310 Gayle B. O'Brien

48,812

all of Abbott Bioresearch Center, 100 Research Dr., Worcester, MA 01605,

jointly, and each of them severally, my attorneys at law/patent agent(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the U. S. Patent and Trademark Office connected therewith.

Send Correspondence to <u>Elizabeth A. Hanley, Esq.</u> at **Customer Number: 00959** whose address is:

LAHIVE & COCKFIELD, LLP, 28 State Street, Boston, MA 02109

Direct Telephone Calls to:

Elizabeth A. Hanley, Esq., (617) 227-7400

| Full name of first inventor | |
|------------------------------------|----------|
| Subhashis Banerjee | |
| Sole or first inventor's signature | Date |
| Tuberastirs Danny | 11-13-03 |
| Residence | , |
| Shrewsbury, Massachusetts | |
| Citizenship US | |
| Mailing Address | |
| 35 Hapgood Way | |
| Shrewsbury, Massachusetts 01545 | |
| | |
| | |

| Full name of second inventor | |
|------------------------------|------|
| Lori K. Taylor | |
| Second inventor's signature | Date |
| | , |
| Residence | |
| Wadsworth, Illinois | |
| Citizenship US | |
| Mailing Address | |
| 14576 West Crabapple Drive | |
| Wadsworth, Illinois 60083 | |

| Full name of third inventor | |
|--|-------------|
| Clive E. Spiegler | |
| Third inventor's signature | Date |
| | Date |
| | |
| Residence | |
| Reading, Berrkshire, United Kingdom | |
| Citizenship US | |
| Mailing Address | |
| 70 Peppard Road | • |
| Emmer Green | |
| Reading | |
| Berkshire; RG4 8TL; UNITED KINGDOM | |
| | |
| Full name of fourth inventor | |
| Daniel Edward Tracey | |
| Fourth inventor's signature | Date |
| | |
| | |
| Residence | |
| Harvard, Massachusetts | |
| Citizenship US | |
| Mailing Address | |
| | |
| 149 Shaker Road | |
| Harvard, Massachusetts 01451 | |
| | |
| Full name of fifth inventor | |
| Elliot K. Chartash | |
| Fifth inventor's signature | Date |
| Titu inventor 5 signature | Date |
| | · |
| Residence | |
| Randolph, New Jersey | |
| Citizenship US | / |
| Mailing Address | |
| | |
| 28 Edinburgh Drive | |
| Randolph, New Jersey 07869 | |
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| | |
| Full name of sixth inventor | |
| Rebecca S. Hoffman | |
| Sixth inventor's signature | Date |
| | |
| D. M. C. | |
| Residence | |
| Wilmette, Illinois | <u> </u> |
| Citizenship US | |
| | |
| Mailing Address | |
| | |
| 1300 Elmwood Avenue Wilmette, Illinois 60091 | |

| Full name of seventh inventor | |
|---|---------------------------------------|
| Full name of seventh inventor William T. Barchuk | |
| Seventh inventor's signature | Date |
| | Bate |
| | |
| Residence | |
| Madison, New Jersey | |
| Citizenship US | |
| Mailing Address | |
| 95 Madison Avenue | |
| Apt. 1 | • |
| Madison, New Jersey 07940 | |
| | |
| Full name of eighth inventor | |
| Philip Yan | • |
| Eighth inventor's signature | Date |
| | |
| Decidence | |
| Residence Vernon Hills, Illinois | |
| Citizenship US | |
| Mailing Address | · · · · · · · · · · · · · · · · · · · |
| Maining Addition | · |
| 368 Old Creek Road | |
| Vernon Hills, Illinois 60061 | |
| | · |
| Full name of ninth inventor | |
| Anwar Murtaza | |
| Ninth inventor's signature | Date |
| " " " " " " " " " " " " " " " " " " " | |
| i | • • |
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| Residence | |
| Shrewsbury, Massachusetts | |
| Shrewsbury, Massachusetts Citizenship India | |
| Shrewsbury, Massachusetts Citizenship India Mailing Address | |
| Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive | |
| Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive Apt. 30 | |
| Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive | |
| Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive Apt. 30 Shrewsbury, Massachusetts 01545 | |
| Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive Apt. 30 Shrewsbury, Massachusetts 01545 Full name of tenth inventor | |
| Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive Apt. 30 Shrewsbury, Massachusetts 01545 Full name of tenth inventor Jochen G. Salfeld | |
| Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive Apt. 30 Shrewsbury, Massachusetts 01545 Full name of tenth inventor | Date |
| Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive Apt. 30 Shrewsbury, Massachusetts 01545 Full name of tenth inventor Jochen G. Salfeld | Date |
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| Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive Apt. 30 Shrewsbury, Massachusetts 01545 Full name of tenth inventor Jochen G. Salfeld Tenth inventor's signature | Date |
| Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive Apt. 30 Shrewsbury, Massachusetts 01545 Full name of tenth inventor Jochen G. Salfeld Tenth inventor's signature Residence | Date |
| Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive Apt. 30 Shrewsbury, Massachusetts 01545 Full name of tenth inventor Jochen G. Salfeld Tenth inventor's signature Residence North Grafton, Massachusetts | Date |
| Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive Apt. 30 Shrewsbury, Massachusetts 01545 Full name of tenth inventor Jochen G. Salfeld Tenth inventor's signature Residence North Grafton, Massachusetts Citizenship Germany Mailing Address | Date |
| Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive Apt. 30 Shrewsbury, Massachusetts 01545 Full name of tenth inventor Jochen G. Salfeld Tenth inventor's signature Residence North Grafton, Massachusetts Citizenship Germany | Date |

| Full name of eleventh inventor | | | | |
|--------------------------------|---|-----|------|---|
| Steven Fischkoff | • | | | |
| Eleventh inventor's signature | | | Date | |
| • | | • | | |
| Residence | | | L | |
| Short Hills, New Jersey | | | | |
| Citizenship US | | | , | |
| Mailing Address | | | | |
| 5 Canoe Brook Road | | • . | | • |
| Short Hills, New Jersey 07078 | | | | |
| | | | | |



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE DECLARATION FOR PATENT APPLICATION

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My residence, post office address and citizenship are as stated below next to my name.

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TREATMENT OF PAIN USING TNFa INHIBITORS

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In the event that the filing date and/or Application No. are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request my attorneys/agent(s) at Lahive & Cockfield, LLP, 28 State Street, Boston. Massachusetts 02109, to insert above the filing date and/or Application No. of said application.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to herein.

I acknowledge the duty to disclose all information known to me that is material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

FOREIGN PRIORITY CLAIM

| foreign ap below any | plication(s) | for patent of plication for | or invent r patent o | or's certifi or inventor | 35, United State cate listed belo 's certificate ha | w and hav | ve also ide: | ntifie |
|-------------------------|--------------|-----------------------------|-------------------------|-----------------------------|---|-----------|--------------|--------|
| x no suc | ch foreign a | pplications | have bee | en filed | | | • | |
| such f | oreign appl | ication have | been fil | led as follo | ows: | | | , |
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EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

| Application Number | Country | Date of Filing | Priority Claimed Under 35 USC 119 |
|--------------------|---------|----------------|--------------------------------------|
| | | | Yes No |
| | | | Yes No |
| , | | | Yes No |

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

| Application Number | Country | Date of Filing | | |
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CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

I hereby claim priority benefits under Title 35, United States Code §119(e), of any United States provisional patent application(s) listed below:

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| 60/397275 | July 19, 2002 | x Yes No |
| 60/411081 | September 16, 2002 | x Yes No |
| 60/417490 | October 10, 2002 | x Yes No |
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CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of the United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information that is material to patentability in accordance with Title 37, Code of Federal

Regulations, §1.56 which became available to me between the filing date of the prior application and the national or PCT international filing date of this application:

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|---|---|---------|----------|--------------|------|------|--------|
| | | | | | | | |

| | | such U.S./PCT | application | have be | en filed | as follows: |
|--|--|---------------|-------------|---------|----------|-------------|
|--|--|---------------|-------------|---------|----------|-------------|

| Application Number | Relationship | Parent Application | Date of Filing | | |
|--------------------|--------------|--------------------|----------------|--|--|
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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| DeAnn F. Smith | 36,683 | Theodore R. West | 47,202 | John D. Lanza | 40,060 |
| and the second of the second o | • | | | · | |

^{*} Limited Recognition Under 37 C.F.R. § 10.9(b)

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and to:

| Regina M. Anderson | 35,820 | Patricia Coleman James | 37,155 | Lawrence S. Pope | 26,791 |
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| Beth A. Vrioni | 39,869 | Paul D. Yasger | 37,477 | Thomas D. Brainard | 32,459 |

all of Abbott Laboratories, 100 Abbott Park Road, Abbott Park, IL 60064,

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John D. Conway

39,150 Kenneth Zwicker

43,310 Gayle B. O'Brien

48,812 .

Tara Seshadri 48,591

all of Abbott Bioresearch Center, 100 Research Dr., Worcester, MA 01605,

jointly, and each of them severally, my attorneys at law/patent agent(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the U. S. Patent and Trademark Office connected therewith.

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LAHIVE & COCKFIELD, LLP, 28 State Street, Boston, MA 02109

Direct Telephone Calls to:

Elizabeth A. Hanley, Esq., (617) 227-7400

| Full name of first inventor | |
|------------------------------------|------|
| Subhashis Banerjee | |
| Sole or first inventor's signature | Date |
| | |
| Residence | |
| Shrewsbury, Massachusetts | |
| Citizenship US | |
| Mailing Address | |
| 35 Hapgood Way | |
| Shrewsbury, Massachusetts 01545 | |

| Lori K. Taylor Second inventor's signature | | Date Date |
|---|---------------------------------------|--------------|
| Don Alaylor | | DEC - 9 2003 |
| Wadsworth, Illinois | | |
| Citizenship US | · · · · · · · · · · · · · · · · · · · | |
| Mailing Address | | |
| 14576 West Crabapple Drive Wadsworth, Illinois 60083 | | |
| | • | |

| Full name of third inventor | |
|--|-------------|
| Clive E. Spiegler | |
| Third inventor's signature | Date |
| Time inventor's signature | Date |
| | |
| Residence | <u> </u> |
| Reading, Berrkshire, United Kingdom | |
| Citizenship US | |
| Mailing Address | |
| 70 Peppard Road | • |
| Emmer Green | • |
| Reading | |
| Berkshire; RG4 8TL; UNITED KINGDOM | • |
| | |
| Full name of fourth inventor | |
| Daniel Edward Tracey | |
| Fourth inventor's signature | Date . |
| | · |
| | |
| Residence | |
| Harvard, Massachusetts | |
| Citizenship US | |
| Mailing Address | |
| 140 Ol-1 D - 1 | * |
| 149 Shaker Road Harvard, Massachusetts 01451 | • |
| rial valu, iviassaciiusetts 01451 | |
| | |
| Full name of fifth inventor | |
| Elliot K. Chartash | · |
| Fifth inventor's signature | Date |
| - The diverse of the state of t | . · |
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| Residence | |
| Residence Randolph, New Jersey | |
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| Randolph, New Jersey | |
| Randolph, New Jersey Citizenship US Mailing Address | |
| Randolph, New Jersey Citizenship US Mailing Address 28 Edinburgh Drive | |
| Randolph, New Jersey Citizenship US Mailing Address | ; |
| Randolph, New Jersey Citizenship US Mailing Address 28 Edinburgh Drive | |
| Randolph, New Jersey Citizenship US Mailing Address 28 Edinburgh Drive Randolph, New Jersey 07869 | |
| Randolph, New Jersey Citizenship US Mailing Address 28 Edinburgh Drive Randolph, New Jersey 07869 Full name of sixth inventor | |
| Randolph, New Jersey Citizenship US Mailing Address 28 Edinburgh Drive Randolph, New Jersey 07869 Full name of sixth inventor Rebecca S. Hoffman | |
| Randolph, New Jersey Citizenship US Mailing Address 28 Edinburgh Drive Randolph, New Jersey 07869 Full name of sixth inventor Rebecca S. Hoffman Sixth inventor's signature | Date |
| Randolph, New Jersey Citizenship US Mailing Address 28 Edinburgh Drive Randolph, New Jersey 07869 Full name of sixth inventor Rebecca S. Hoffman Sixth inventor's signature | |
| Randolph, New Jersey Citizenship US Mailing Address 28 Edinburgh Drive Randolph, New Jersey 07869 Full name of sixth inventor Rebecca S. Hoffman Sixth inventor's signature Library Sixth inventor's Signature | Date |
| Randolph, New Jersey Citizenship US Mailing Address 28 Edinburgh Drive Randolph, New Jersey 07869 Full name of sixth inventor Rebecca S. Hoffman Sixth inventor's signature Library Residence | Date |
| Randolph, New Jersey Citizenship US Mailing Address 28 Edinburgh Drive Randolph, New Jersey 07869 Full name of sixth inventor Rebecca S. Hoffman Sixth inventor's signature Libeau S. Hoffman Residence Wilmette, Illinois | Date |
| Randolph, New Jersey Citizenship US Mailing Address 28 Edinburgh Drive Randolph, New Jersey 07869 Full name of sixth inventor Rebecca S. Hoffman Sixth inventor's signature Colored S. Hoffman Residence Wilmette, Illinois Citizenship US | Date |
| Randolph, New Jersey Citizenship US Mailing Address 28 Edinburgh Drive Randolph, New Jersey 07869 Full name of sixth inventor Rebecca S. Hoffman Sixth inventor's signature Libeau S. Hoffman Residence Wilmette, Illinois | Date |
| Randolph, New Jersey Citizenship US Mailing Address 28 Edinburgh Drive Randolph, New Jersey 07869 Full name of sixth inventor Rebecca S. Hoffman Sixth inventor's signature Lobecca S. Hoffman Residence Wilmette, Illinois Citizenship US Mailing Address | Date |
| Randolph, New Jersey Citizenship US Mailing Address 28 Edinburgh Drive Randolph, New Jersey 07869 Full name of sixth inventor Rebecca S. Hoffman Sixth inventor's signature Lobecca S. Hoffman Residence Wilmette, Illinois Citizenship US | Date |

| Full name of seventh inventor | |
|--|---------------------------------------|
| William T. Barchuk | |
| Seventh inventor's signature | Date . |
| | |
| Residence | <u> </u> |
| Madison, New Jersey | • |
| Citizenship US | |
| Mailing Address | |
| 95 Madison Avenue | |
| Apt. 1 | • |
| Madison, New Jersey 07940 | |
| | |
| Full name of eighth inventor | |
| Philip Yan | |
| Eighth inventor's signature | Date |
| Martin No | Deg 8, 2003 |
| Residence | Jes 01 7 |
| Vernon Hills, Illinois | |
| Citizenship US | · · · · · · · · · · · · · · · · · · · |
| Mailing Address | |
| | |
| 368 Old Creek Road | |
| Vernon Hills, Illinois 60061 | • |
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| <u> </u> | 1 |
| Full name of ninth inventor | |
| Anwar Murtaza | |
| 1 | Date |
| Anwar Murtaza | Date |
| Anwar Murtaza | Date |
| Anwar Murtaza Ninth inventor's signature | Date |
| Anwar Murtaza Ninth inventor's signature Residence Shrewsbury, Massachusetts Citizenship India | Date |
| Anwar Murtaza Ninth inventor's signature Residence Shrewsbury, Massachusetts | Date |
| Anwar Murtaza Ninth inventor's signature Residence Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive | Date |
| Anwar Murtaza Ninth inventor's signature Residence Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive Apt. 30 | Date |
| Anwar Murtaza Ninth inventor's signature Residence Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive | Date |
| Anwar Murtaza Ninth inventor's signature Residence Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive Apt. 30 | Date |
| Anwar Murtaza Ninth inventor's signature Residence Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive Apt. 30 Shrewsbury, Massachusetts 01545 Full name of tenth inventor | Date |
| Anwar Murtaza Ninth inventor's signature Residence Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive Apt. 30 Shrewsbury, Massachusetts 01545 Full name of tenth inventor Jochen G. Salfeld | |
| Anwar Murtaza Ninth inventor's signature Residence Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive Apt. 30 Shrewsbury, Massachusetts 01545 Full name of tenth inventor | Date |
| Anwar Murtaza Ninth inventor's signature Residence Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive Apt. 30 Shrewsbury, Massachusetts 01545 Full name of tenth inventor Jochen G. Salfeld | |
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| Anwar Murtaza Ninth inventor's signature Residence Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive Apt. 30 Shrewsbury, Massachusetts 01545 Full name of tenth inventor Jochen G. Salfeld Tenth inventor's signature Residence North Grafton, Massachusetts Citizenship Germany | |
| Anwar Murtaza Ninth inventor's signature Residence Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive Apt. 30 Shrewsbury, Massachusetts 01545 Full name of tenth inventor Jochen G. Salfeld Tenth inventor's signature Residence North Grafton, Massachusetts | |
| Anwar Murtaza Ninth inventor's signature Residence Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive Apt. 30 Shrewsbury, Massachusetts 01545 Full name of tenth inventor Jochen G. Salfeld Tenth inventor's signature Residence North Grafton, Massachusetts Citizenship Germany Mailing Address | |
| Anwar Murtaza Ninth inventor's signature Residence Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive Apt. 30 Shrewsbury, Massachusetts 01545 Full name of tenth inventor Jochen G. Salfeld Tenth inventor's signature Residence North Grafton, Massachusetts Citizenship Germany | |

| Full name of eleventh inventor | | |
|--------------------------------|---|------|
| Steven Fischkoff | | |
| Eleventh inventor's signature | | Date |
| | | · |
| | | |
| Residence | | • |
| Short Hills, New Jersey | _ | • |
| Citizenship US | | |
| Mailing Address | | |
| 60 7 17 1 | | . 1 |
| 5 Canoe Brook Road | | · · |
| Short Hills, New Jersey 07078 | | · |
| | | |



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TREATMENT OF PAIN USING TNFa INHIBITORS

the specification of which was filed on July 18, 2003 as Application No. 10/623035.

In the event that the filing date and/or Application No. are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request my attorneys/agent(s) at Lahive & Cockfield, LLP, 28 State Street, Boston, Massachusetts 02109, to insert above the filing date and/or Application No. of said application.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to herein.

I acknowledge the duty to disclose all information known to me that is material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

FOREIGN PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

| х | no such foreign applications have been filed | | |
|---|--|-----|--|
| | such foreign application have been filed as follows: | · . | |

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

| Application Number | Country | Date of Filing | Priority Claimed Under 35 USC 119 |
|--------------------|---------|----------------|--------------------------------------|
| | | | Yes No |
| | | • | Yes No |
| | | | Yes No |

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

| Application Number | Country | Date of Filing |
|--------------------|---------|----------------|
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CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

I hereby claim priority benefits under Title 35, United States Code §119(e), of any United States provisional patent application(s) listed below:

| L_ | no such U.S. | provisional | applications | have | been f | iled. |
|----|--------------|-------------|--------------|------|--------|-------|
|----|--------------|-------------|--------------|------|--------|-------|

x such U.S. provisional application have been filed as follows:

| Application Number | Date of Filing | Priority Claimed Under 35 USC 119 |
|--------------------|--------------------|--------------------------------------|
| 60/397275 | July 19, 2002 | x Yes No |
| 60/411081 | September 16, 2002 | x Yes No |
| 60/417490 | October 10, 2002 | x Yes No |
| 60/455777 | March 18, 2003 | x Yes No |

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of the United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information that is material to patentability in accordance with Title 37, Code of Federal

Regulations, §1.56 which became available to me between the filing date of the prior application and the national or PCT international filing date of this application:

| х | no such | U.S./PCT | applications | haye | been | filed. |
|---|---------|----------|--------------|------|------|--------|
| | | | | | | |
| | | | | | | |

| | such U.S./PCT | application | have been | filed as | follows: |
|--|---------------|-------------|-----------|----------|----------|
| | | | | | |

| Application Number | Relationship | Parent Application | Date of Filing |
|--------------------|--------------|--------------------|----------------|
| | | | , |
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| | | | |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint:

All practitioners at Customer Number 00959 (listed here):

| James E. Cockfield | 19,162 | Jeanne M. DiGiorgio | 41,710 | Hathaway P. Russell | 46,488 |
|------------------------|--------|--------------------------------------|--------|---------------------------|--------|
| Thomas V. Smurzynski | 24,798 | Megan E. Williams | 43,270 | John S. Curran | 50,445 |
| Ralph A. Loren | 29,325 | Jeremiah Lynch | 17,425 | Lisa M. DiRocco | 51,619 |
| Giulio A. DeConti, Jr. | 31,503 | David J. Rikkers | 43,882 | Danielle L. Herritt | 43,670 |
| Elizabeth A. Hanley | 33,505 | * Maria Laccotripe Zacharakis, Ph.D. | | Cynthia M. Soroos | 53,623 |
| Amy E. Mandragouras | 36,207 | Debra J. Milasincic | 46,931 | Jonathan M. Sparks, Ph.D. | 53,624 |
| Anthony A. Laurentano | 38,220 | David R. Burns | 46,590 | Merideth C. Arnold | 52,568 |
| Kevin J. Canning | 35,470 | Sean D. Detweiler | 42,482 | Peter W. Dini, Ph.D. | 52,821 |
| Jane E. Remillard | 38,872 | Cynthia L. Kanik, Ph.D. | 37,320 | Andrina Williams Zink | 54,539 |
| DeAnn F. Smith | 36,683 | Theodore R. West | 47,202 | John D. Lanza | 40,060 |
| | | | | | |

^{*} Limited Recognition Under 37 C.F.R. § 10.9(b)

all of Lahive & Cockfield, LLP, 28 State Street, Boston, Massachusetts 02109,

and to:

| Regina M. Anderson | 35,820 | Patricia Coleman James | 37,155 | Lawrence S. Pope | 26 701 |
|---------------------|--------|------------------------|--------|-----------------------|--------|
| • | , | | 37,133 | | 26,791 |
| Cheryl L. Becker | 35,441 | Gregory W. Steele | 33,796 | Christopher P. Rogers | 36,334 |
| Portia L. Chen, | 44,075 | David L. Weinstein | 28,128 | Nicholas A. Poulos | 30,209 |
| Dianne Casuto | 40,943 | Michael J. Ward | 37,960 | William E. Murray | 30,303 |
| Allen W. Wark | 30,503 | Brian R. Woodworth | 33,137 | William J. Winter | 36,060 |
| Steven R. Crowley | 31,604 | Steven F. Weinstock | 30,117 | Nickki L. Parlett | 44,996 |
| Andreas M. Danckers | 32,652 | Michael R. Crabb | 37,298 | David J. Schodin | 41,294 |
| Gregory B. Donner | 34,580 | Kalim S. Fuzail | 45,805 | Mimi C. Goller | 39,046 |
| Beth A. Vrioni | 39,869 | Paul D. Yasger | 37,477 | Thomas D. Brainard | 32,459 |

all of Abbott Laboratories, 100 Abbott Park Road, Abbott Park, IL 60064,

| | | - | | |
|---|---|---|-----|----|
| ^ | n | a | +0 | |
| n | n | u | 11. | u. |

John D. Conway

39,150 Kenneth Zwicker

43,310 Gayle B. O'Brien

48,812

Tara Seshadri 48,591

all of Abbott Bioresearch Center, 100 Research Dr., Worcester, MA 01605,

jointly, and each of them severally, my attorneys at law/patent agent(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the U. S. Patent and Trademark Office connected therewith.

Send Correspondence to <u>Elizabeth A. Hanley, Esq.</u> at **Customer Number: 00959** whose address is:

LAHIVE & COCKFIELD, LLP, 28 State Street, Boston, MA 02109

Direct Telephone Calls to:

Elizabeth A. Hanley, Esq., (617) 227-7400

| Zaoctii 11. Hamey, Esq., (017) 221-7400 | |
|--|----------|
| Full name of first inventor | |
| Subhashis Banerjee | |
| Sole or first inventor's signature | |
| Sole of hist inventor's signature | Date |
| | |
| Residence | <u> </u> |
| Shrewsbury, Massachusetts | |
| Citizenship US | |
| Mailing Address | |
| 25 Hannard Way | |
| 35 Hapgood Way Shrewsbury, Massachusetts 01545 | |
| Sinewson y, Massachuseus 01545 | |
| | |
| Full name of second inventor | - VII |
| | |
| Lori K. Taylor | |
| Lori K. Taylor Second inventor's signature | Date |
| | Date |
| Second inventor's signature | Date |
| Second inventor's signature Residence | Date |
| Second inventor's signature | Date |
| Residence Wadsworth, Illinois | Date |
| Residence Wadsworth, Illinois Citizenship US Mailing Address | Date |
| Residence Wadsworth, Illinois Citizenship US Mailing Address 14576 West Crabapple Drive | Date |
| Residence Wadsworth, Illinois Citizenship US Mailing Address | Date |

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| Full name of seventh inventor William T. Barchuk | |
|--|---------------------------------------|
| Seventh inventor's signature | |
| Several inventor's signature | Date . |
| | |
| Residence | |
| Madison, New Jersey | |
| Citizenship US | |
| Mailing Address | |
| 95 Madison Avenue | |
| Apt. 1 | |
| Madison, New Jersey 07940 | |
| <u> </u> | |
| Full name of eighth inventor | |
| Philip Yan | |
| Eighth inventor's signature | Date |
| | |
| | |
| Residence | |
| Vernon Hills, Illinois | |
| Citizenship US | |
| Mailing Address | |
| 368 Old Creek Road | |
| Vernon Hills, Illinois 60061 | |
| | · |
| | |
| Full name of ninth inventor | |
| Anwar Murtaza | |
| Ninth inventor's signature | Date |
| | |
| Residence | |
| Shrewsbury, Massachusetts | |
| Citizenship India | |
| Mailing Address | , |
| 50 Commons Drive | |
| Apt. 30 | |
| Shrewsbury, Massachusetts 01545 | • • |
| | |
| Full name of tenth inventor | |
| Jochen G. Salfeld | |
| Tenth inventor's signature | Date |
| | |
| Residence | <u> </u> |
| North Grafton, Massachusetts | • |
| | |
| Citizenship Germany Mailing Address | · · · · · · · · · · · · · · · · · · · |
| | |
| 177 Old Westboro Road | · |
| North Grafton, Massachusetts 01536 | • |
| | |

| Full name of eleventh inventor | | | |
|--------------------------------|---|------|----------|
| Steven Fischkoff | • | • | |
| Eleventh inventor's signature | | Date | |
| • | | | |
| Residence | | | |
| Short Hills, New Jersey | • | • | |
| Citizenship US | | | , |
| Mailing Address | | | |
| 5 Canoe Brook Road | | | |
| Short Hills, New Jersey 07078 | | | <i>:</i> |
| | | | |



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TREATMENT OF PAIN USING TNFa INHIBITORS

the specification of which was filed on July 18, 2003 as Application No. 10/623035.

In the event that the filing date and/or Application No. are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request my attorneys/agent(s) at Lahive & Cockfield, LLP, 28 State Street, Boston, Massachusetts 02109, to insert above the filing date and/or Application No. of said application.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to herein.

I acknowledge the duty to disclose all information known to me that is material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

FOREIGN PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

| x no such foreign applications have been filed | |
|--|--|
| such foreign application have been filed as follows: | |

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

| Application Number | Country | Date of Filing | Priority Claimed Under 35 USC 119 |
|--------------------|---------|----------------|--------------------------------------|
| | | | Yes No |
| | | | Yes No |
| | | | Yes No |

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

| Application Number | Country | Date of Filing |
|--------------------|---------|----------------|
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| | | |

CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

I hereby claim priority benefits under Title 35, United States Code §119(e), of any United States provisional patent application(s) listed below:

| I | no such | 2.11 | provisional | applications | have | heen | filed |
|---|---------|------|-------------|--------------|--------|-------|-------|
| l | no such | U.S. | provisionar | applications | 11a vC | UCCII | mcu. |

x such U.S. provisional application have been filed as follows:

| Application Number | Date of Filing | Priority Claimed Under 35 USC 119 |
|--------------------|--------------------|--------------------------------------|
| 60/397275 | July 19, 2002 | x Yes No |
| 60/411081 | September 16, 2002 | x Yes No |
| 60/417490 | October 10, 2002 | x Yes No |
| 60/455777 | March 18, 2003 | x Yes No |

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of the United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information that is material to patentability in accordance with Title 37, Code of Federal

Regulations, §1.56 which became available to me between the filing date of the prior application and the national or PCT international filing date of this application:

| X | no such U.S./PCT applications have been filed. |
|---|---|
| | such U.S./PCT application have been filed as follows: |

| Application Number | Relationship | Parent Application | Date of Filing |
|--------------------|---|--------------------|----------------|
| | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | |
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| | | | |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint:

All practitioners at Customer Number 00959 (listed here):

| James E. Cockfield | 19,162 | Jeanne M. DiGiorgio | 41,710 | Hathaway P. Russell | 46,488 |
|------------------------|--------|--------------------------------------|--------|---------------------------|--------|
| Thomas V. Smurzynski | 24,798 | Megan E. Williams | 43,270 | John S. Curran | 50,445 |
| Ralph A. Loren | 29,325 | Jeremiah Lynch | 17,425 | Lisa M. DiRocco | 51,619 |
| Giulio A. DeConti, Jr. | 31,503 | David J. Rikkers | 43,882 | Danielle L. Herritt | 43,670 |
| Elizabeth A. Hanley | 33,505 | * Maria Laccotripe Zacharakis, Ph.D. | | Cynthia M. Soroos | 53,623 |
| Amy E. Mandragouras | 36,207 | Debra J. Milasincic | 46,931 | Jonathan M. Sparks, Ph.D. | 53,624 |
| Anthony A. Laurentano | 38,220 | David R. Burns | 46,590 | Merideth C. Arnold | 52,568 |
| Kevin J. Canning | 35,470 | Sean D. Detweiler | 42,482 | Peter W. Dini, Ph.D. | 52,821 |
| Jane E. Remillard | 38,872 | Cynthia L. Kanik, Ph.D. | 37,320 | Andrina Williams Zink | 54,539 |
| DeAnn F. Smith | 36,683 | Theodore R. West | 47,202 | John D. Lanza | 40,060 |
| | | | | | |

^{*} Limited Recognition Under 37 C.F.R. § 10.9(b)

all of Lahive & Cockfield, LLP, 28 State Street, Boston, Massachusetts 02109,

and to:

| Regina M. Anderson | 35.820 | Patricia Coleman James | 37,155 | Lawrence S. Pope | 26,791 |
|---------------------|--------|------------------------|--------|-----------------------|--------|
| Cheryl L. Becker | 35,441 | | • | • | • |
| • | 33,441 | Gregory W. Steele | 33,796 | Christopher P. Rogers | 36,334 |
| Portia L. Chen, | 44,075 | David L. Weinstein | 28,128 | Nicholas A. Poulos | 30,209 |
| Dianne Casuto | 40,943 | Michael J. Ward | 37,960 | William E. Murray | 30,303 |
| Allen W. Wark | 30,503 | Brian R. Woodworth | 33,137 | William J. Winter | 36,060 |
| Steven R. Crowley | 31,604 | Steven F. Weinstock | 30,117 | Nickki L. Parlett | 44,996 |
| Andreas M. Danckers | 32,652 | Michael R. Crabb | 37,298 | David J. Schodin | 41,294 |
| Gregory B. Donner | 34,580 | Kalim S. Fuzail | 45,805 | Mimi C. Goller | 39,046 |
| Beth A. Vrioni | 39,869 | Paul D. Yasger | 37,477 | Thomas D. Brainard | 32,459 |

all of Abbott Laboratories, 100 Abbott Park Road, Abbott Park, IL 60064,

| nd to: | | | | |
|--|--|--------------------------------|---------------------|------------------------|
| hn D. Conway ıra Seshadri | 39,150 Kenneth Zwicker 48,591 | 43,310 | Gayle B. O'Brien | 48,812 |
| l of Abbott Biore | esearch Center, 100 Rese | earch Dr., Wo | rcester, MA 01605 | , |
| ibstitution, delega nendments therei | them severally, my attornation and revocation, to pronoun, to receive the patent, and connected therewith. | osecute this a | oplication, to make | alterations and |
| end Corresponder: | nce to Elizabeth A. Hanle | e <u>y, Esq.</u> at C u | stomer Number: | 00959 whose add |
| AHIVE & COCK | FIELD, LLP, 28 State Str | eet, Boston, N | MA 02109 | |
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| | * 11 . | | | |
| irect Telephone C | Calls to: | | | |
| - | | | | |
| - | calls to: y, Esq., (617) 227-7400 | | ······ | |
| - | y, Esq., (617) 227-7400 | | | |
| lizabeth A. Hanle | y, Esq., (617) 227-7400 | | | |
| Full name of first inve | y, Esq., (617) 227-7400 entor erjee | | Date | |
| Full name of first inventor's Sole or first inventor's | y, Esq., (617) 227-7400 entor erjee | | Date | |
| Full name of first inversible Subhashis Bane Sole or first inventor's | y, Esq., (617) 227-7400 Intor erjee signature | | Date | |
| Full name of first inve Subhashis Bane Sole or first inventor's Residence Shrewsbury, M | y, Esq., (617) 227-7400 Intor erjee signature | | Date | |
| Full name of first inve Subhashis Bane Sole or first inventor's Residence Shrewsbury, M | y, Esq., (617) 227-7400 Intor erjee signature | | Date | , |
| Full name of first inve Subhashis Bane Sole or first inventor's Residence Shrewsbury, M Citizenship US | y, Esq., (617) 227-7400 Intor erjee signature assachusetts | | Date | |
| Full name of first inve Subhashis Bane Sole or first inventor's Residence Shrewsbury, M Citizenship US Mailing Address 35 Hapgood Way | y, Esq., (617) 227-7400 Intor erjee signature assachusetts | | Date | |
| Full name of first inve Subhashis Bane Sole or first inventor's Residence Shrewsbury, M Citizenship US Mailing Address 35 Hapgood Way Shrewsbury, Mass | y, Esq., (617) 227-7400 Intorerjee signature assachusetts achusetts 01545 | | Date | |
| Full name of first inve Subhashis Bane Sole or first inventor's Residence Shrewsbury, M Citizenship US Mailing Address 35 Hapgood Way Shrewsbury, Mass | y, Esq., (617) 227-7400 Intorerjee signature Cassachusetts achusetts 01545 | | Date | |
| Full name of first inve Subhashis Bane Sole or first inventor's Residence Shrewsbury, M Citizenship US Mailing Address 35 Hapgood Way Shrewsbury, Mass | y, Esq., (617) 227-7400 Intorerjee signature Cassachusetts achusetts 01545 | | Date | |

Citizenship

Mailing Address

US

14576 West Crabapple Drive Wadsworth, Illinois 60083

| 1 | | |
|---|--|-----------|
| | Full name of third inventor | |
| | Clive E. Spiegler | Divi |
| | Third inventor's signature | Date |
| | | |
| | Residence | |
| | Reading, Berrkshire, United Kingdom | |
| | Citizenship US | |
| | Mailing Address | |
| | 70 Peppard Road | |
| | Emmer Green | |
| | Reading | |
| | Berkshire; RG4 8TL; UNITED KINGDOM | |
| 1 | | |
| | Full name of fourth inventor | |
| | Daniel Edward Tracey | B |
| | Fourth inventor's signature | Date |
| | | |
| | Residence | |
| | Harvard, Massachusetts | |
| | Citizenship US | |
| | Mailing Address | |
| Ì | | |
| i | 149 Shaker Road | |
| | Harvard, Massachusetts 01451 | |
| l | | |
| ı | Full name of fifth inventor | |
| | Elliot K. Chartash | |
| | Fifth inventor's signature | Date |
| | | |
| I | eller the Christ | 10 NOV 03 |
| | Residence | |
| I | Randolph, New Jersey | |
| | Citizenship US | · |
| | Mailing Address | |
| I | 20 Ediaharah Daira | |
| ł | 28 Edinburgh Drive Randolph, New Jersey 07869 | |
| | Randolph, New Jersey 07009 | |
| 1 | | |
| ı | Full name of sixth inventor | |
| | Rebecca S. Hoffman | |
| l | Sixth inventor's signature | Date |
| | | |
| | | |
| | Residence | |
| | Wilmette, Illinois | |
| | Citizenship US | |
| | Mailing Address | |
| - | 1300 Elmwood Avenue | |
| 1 | Wilmette, Illinois 60091 | |
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|--|------|
| Full name of seventh inventor William T. Barchuk | |
| Seventh inventor's signature | Date |
| Seventh inventor's signature | Date |
| | İ |
| Residence | |
| Madison, New Jersey | |
| Citizenship US | |
| Mailing Address | |
| 95 Madison Avenue | |
| Apt. 1 | |
| Madison, New Jersey 07940 | • |
| | |
| Full name of eighth inventor | |
| Philip Yan | |
| Eighth inventor's signature | Date |
| | |
| | |
| Residence Vernon Hille Illinois | |
| Vernon Hills, Illinois Citizenship US | |
| Citizenship US Mailing Address | |
| Maining Address | |
| 368 Old Creek Road | |
| Vernon Hills, Illinois 60061 | |
| | |
| Full name of ninth inventor | |
| Anwar Murtaza | |
| Ninth inventor's signature | Date |
| | |
| | |
| Residence Chronobarry Magazahuratta | |
| Shrewsbury, Massachusetts | |
| Citizenship India Mailing Address | |
| | |
| 50 Commons Drive | |
| Apt. 30 Shrewsbury, Massachusetts 01545 | |
| Siliewsbury, Wassachusetts 01343 | |
| | |
| Full name of tenth inventor | |
| Jochen G. Salfeld Tenth inventor's signature | Date |
| Tenth inventor's signature | Date |
| | |
| Residence | • |
| North Grafton, Massachusetts | |
| Citizenship Germany | |
| Mailing Address | |
| 177 Old Westboro Road | |
| North Grafton, Massachusetts 01536 | |
| I NOLLI GIARIOI, MASSACHUSERS 01330 | |

| Full name of eleventh inventor | |
|--------------------------------|------|
| Steven Fischkoff | |
| Eleventh inventor's signature | Date |
| | |
| | |
| Residence | |
| Short Hills, New Jersey | |
| Citizenship US | - |
| Mailing Address | |
| | |
| 5 Canoe Brook Road | |
| Short Hills, New Jersey 07078 | |
| | |



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TREATMENT OF PAIN USING TNFa INHIBITORS

the specification of which was filed on July 18, 2003 as Application No. 10/623035.

In the event that the filing date and/or Application No. are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request my attorneys/agent(s) at Lahive & Cockfield, LLP, 28 State Street, Boston, Massachusetts 02109, to insert above the filing date and/or Application No. of said application.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to herein.

I acknowledge the duty to disclose all information known to me that is material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

FOREIGN PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

| x | no such foreign applications have been filed | • |
|---|--|---|
| | such foreign application have been filed as follows: | |

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

| | Application Number | Country | Date of Filing | Priority Claimed Under 35 USC 119 |
|---|--------------------|---------|----------------|--------------------------------------|
| · | | | | Yes No |
| | | | | Yes No |
| | | | | Yes No |

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

| Application Number | Country | Date of Filing |
|--------------------|---------|----------------|
| | | |
| | : | |
| | | |

CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

I hereby claim priority benefits under Title 35, United States Code §119(e), of any United States provisional patent application(s) listed below:

| | | | | * | | | |
|---|-----|--------------|-------------|--------------|------|------|-------|
| ı | | no such U.S. | 1 | | L | 1 | £:1-1 |
| ı | 1 | no such 0.5. | provisional | applications | nave | been | mea. |
| ı | . 1 | | F | | | | |

x such U.S. provisional application have been filed as follows:

| Application Number | Date of Filing | Priority Claimed Under 35 USC 119 | | |
|--------------------|--------------------|--------------------------------------|--|--|
| 60/397275 | July 19, 2002 | x Yes No | | |
| 60/411081 | September 16, 2002 | x Yes No | | |
| 60/417490 | October 10, 2002 | x Yes No | | |
| 60/455777 | March 18, 2003 | x Yes No | | |

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of the United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information that is material to patentability in accordance with Title 37, Code of Federal

Regulations, §1.56 which became available to me between the filing date of the prior application and the national or PCT international filing date of this application:

| | x | no | such | U.S./PCT | applications | have | been | filed. |
|--|---|----|------|----------|--------------|------|------|--------|
|--|---|----|------|----------|--------------|------|------|--------|

| | such U.S./PCT | application | have been | filed as | follows: |
|--|---------------|-------------|-----------|----------|----------|
|--|---------------|-------------|-----------|----------|----------|

| Application Number | Relationship | Parent Application | Date of Filing |
|--------------------|--------------|--------------------|----------------|
| | | | |
| | | - | |
| | | | |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint:

All practitioners at Customer Number 00959 (listed here):

| James E. Cockfield | 19,162 | Jeanne M. DiGiorgio | 41,710 | Hathaway P. Russell | 46,488 |
|------------------------|--------|--------------------------------------|--------|---------------------------|--------|
| Thomas V. Smurzynski | 24,798 | Megan E. Williams | 43,270 | John S. Curran | 50,445 |
| Ralph A. Loren | 29,325 | Jeremiah Lynch | 17,425 | Lisa M. DiRocco | 51,619 |
| Giulio A. DeConti, Jr. | 31,503 | David J. Rikkers | 43,882 | Danielle L. Herritt | 43,670 |
| Elizabeth A. Hanley | 33,505 | * Maria Laccotripe Zacharakis, Ph.D. | | Cynthia M. Soroos | 53,623 |
| Amy E. Mandragouras | 36,207 | Debra J. Milasincic | 46,931 | Jonathan M. Sparks, Ph.D. | 53,624 |
| Anthony A. Laurentano | 38,220 | David R. Burns | 46,590 | Merideth C. Arnold | 52,568 |
| Kevin J. Canning | 35,470 | Sean D. Detweiler | 42,482 | Peter W. Dini, Ph.D. | 52,821 |
| Jane E. Remillard | 38,872 | Cynthia L. Kanik, Ph.D. | 37,320 | Andrina Williams Zink | 54,539 |
| DeAnn F. Smith | 36,683 | Theodore R. West | 47,202 | John D. Lanza | 40,060 |

^{*} Limited Recognition Under 37 C.F.R. § 10.9(b)

all of Lahive & Cockfield, LLP, 28 State Street, Boston, Massachusetts 02109,

and to:

| Regina M. Anderson | 35,820 | Patricia Coleman James | 37,155 | Lawrence S. Pope | 26,791 |
|---------------------|--------|------------------------|--------|-----------------------|--------|
| Cheryl L. Becker | 35,441 | Gregory W. Steele | 33,796 | Christopher P. Rogers | 36,334 |
| Portia L. Chen, | 44,075 | David L. Weinstein | 28,128 | Nicholas A. Poulos | 30,209 |
| Dianne Casuto | 40,943 | Michael J. Ward | 37,960 | William E. Murray | 30,303 |
| Allen W. Wark | 30,503 | Brian R. Woodworth | 33,137 | William J. Winter | 36,060 |
| Steven R. Crowley | 31,604 | Steven F. Weinstock | 30,117 | Nickki L. Parlett | 44,996 |
| Andreas M. Danckers | 32,652 | Michael R. Crabb | 37,298 | David J. Schodin | 41,294 |
| Gregory B. Donner | 34,580 | Kalim S. Fuzail | 45,805 | Mimi C. Goller | 39,046 |
| Beth A. Vrioni | 39,869 | Paul D. Yasger | 37,477 | Thomas D. Brainard | 32,459 |
| | | | | | |

all of Abbott Laboratories, 100 Abbott Park Road, Abbott Park, IL 60064,

| a | n | A | to | |
|---|----|---|------|----|
| а | 11 | u | - 10 | ł. |

John D. Conway Tara Seshadri 39,150 Kenneth Zwicker 48,591

43,310 Gayle B. O'Brien

48,812

all of Abbott Bioresearch Center, 100 Research Dr., Worcester, MA 01605,

jointly, and each of them severally, my attorneys at law/patent agent(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the U. S. Patent and Trademark Office connected therewith.

Send Correspondence to <u>Elizabeth A. Hanley, Esq.</u> at **Customer Number: 00959** whose address is:

LAHIVE & COCKFIELD, LLP, 28 State Street, Boston, MA 02109

Direct Telephone Calls to:

Wadsworth, Illinois 60083

Elizabeth A. Hanley, Esq., (617) 227-7400

| Full name of first inventor | · · · · · · · · · · · · · · · · · · · | · | |
|------------------------------------|---------------------------------------|----------|-----|
| Subhashis Banerjee | • | • | |
| Sole or first inventor's signature | · · · · · · · · · · · · · · · · · · · | Date | |
| | • | | · |
| | | | |
| Residence | | | |
| Shrewsbury, Massachusetts | • | | · · |
| Citizenship US | | | |
| Mailing Address | | | |
| | | | |
| 35 Hapgood Way | | | |
| Shrewsbury, Massachusetts 01545 | | • | |
| | | • | |
| | | | |
| Full name of second inventor | | | |
| Lori K. Taylor | | • | |
| Second inventor's signature | | Date | |
| | | | |
| Residence | | <u> </u> | |
| | | | |
| Wadsworth, Illinois | - | • | |
| Citizenship US | | | |
| Mailing Address | | | |
| • | | | |
| 14576 West Crabapple Drive | | • | |

| · | |
|--|------|
| Full name of third inventor | |
| Clive E. Spiegler | |
| Third inventor's signature | Date |
| | · |
| Residence | |
| Reading, Berrkshire, United Kingdom | |
| Citizenship US | |
| Mailing Address | |
| 70 Peppard Road | |
| Emmer Green | • |
| Reading | |
| Berkshire; RG4 8TL; UNITED KINGDOM | |
| Full name of fourth inventor | |
| Daniel Edward Tracey | |
| Fourth inventor's signature | Date |
| | Date |
| | |
| Residence | |
| Harvard, Massachusetts | |
| Citizenship US | |
| Mailing Address | |
| | • |
| 149 Shaker Road | |
| Harvard, Massachusetts 01451 | |
| | |
| Full name of fifth inventor | |
| Elliot K. Chartash | |
| Fifth inventor's signature | Date |
| · ···································· | Date |
| | |
| Residence | |
| Randolph, New Jersey | · |
| Citizenship US | . / |
| Mailing Address | |
| 20 Palintonal Police | |
| 28 Edinburgh Drive | |
| Randolph, New Jersey 07869 | • |
| | |
| Full name of sixth inventor | |
| Rebecca S. Hoffman | |
| Sixth inventor's signature | Date |
| | |
| • | |
| Residence | |
| Wilmette, Illinois | |
| Citizenship US | |
| Mailing Address | |
| 1200 77 | |
| 1300 Elmwood Avenue | |
| Wilmette, Illinois 60091 | |
| I | |

| Full name of seventh inventor | | |
|---|---------------------------------------|---------------------------------------|
| William T. Barchuk Seventh inventor's signature | | |
| Seventh inventor's signature | Ω | Date |
| 11) leant on | M | 11/6/03 |
| Residence | | |
| Madison, New Jersey | · | <u> </u> |
| Citizenship US | | |
| Mailing Address | | |
| 95 Madison Avenue | | |
| Apt. 1 | | |
| Madison, New Jersey 07940 | | • |
| | | |
| Full name of eighth inventor | <u> </u> | |
| Philip Yan | | |
| Eighth inventor's signature | | Date |
| | | |
| Residence | | |
| Vernon Hills, Illinois | | |
| Citizenship US | · · | |
| Mailing Address | | |
| | | |
| 368 Old Creek Road | | |
| Vernon Hills, Illinois 60061 | | |
| | | · · · · · · · · · · · · · · · · · · · |
| Full name of ninth inventor | | |
| Anwar Murtaza | | • |
| Ninth inventor's signature | | Date |
| | | |
| Residence | | |
| Shrewsbury, Massachusetts | | • |
| Citizenship India | | , |
| Mailing Address | · · · · · · · · · · · · · · · · · · · | |
| 50 Commons Drive | • | |
| Apt. 30 | | |
| Shrewsbury, Massachusetts 01545 | | • |
| | | |
| Full name of tenth inventor | | |
| Jochen G. Salfeld | | |
| Tenth inventor's signature | | Date |
| | | |
| Residence | | |
| North Grafton, Massachusetts | | |
| | · | |
| Citizenship Germany Mailing Address | - | |
| Maining Address | | |
| 177 Old Westboro Road | | |
| North Grafton, Massachusetts 01536 | | |
| <u>'</u> | | |

| Full name of eleventh inventor | |
|---|------|
| Steven Fischkoff | |
| Eleventh inventor's signature | Date |
| | |
| Residence | |
| Short Hills, New Jersey | |
| Citizenship US | |
| Mailing Address | |
| 5 Canoe Brook Road Short Hills, New Jersey 07078 | |



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TREATMENT OF PAIN USING TNFa INHIBITORS

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In the event that the filing date and/or Application No. are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request my attorneys/agent(s) at Lahive & Cockfield, LLP, 28 State Street, Boston, Massachusetts 02109, to insert above the filing date and/or Application No. of said application.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to herein.

I acknowledge the duty to disclose all information known to me that is material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

FOREIGN PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

| x no such foreign applications have been filed | |
|--|--|
| such foreign application have been filed as follows: | |

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

| Application Number | Country | Date of Filing | Priority Claimed Under 35 USC 119 |
|--------------------|---------|----------------|--------------------------------------|
| | | | Yes No |
| | | | Yes No |
| | | | Yes No |

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

| Application Number | Country | Date of Filing |
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| , | | |

CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

I hereby claim priority benefits under Title 35, United States Code §119(e), of any United States provisional patent application(s) listed below:

| | no such | U.S. | provisional | applications | have | been | filed. |
|--|---------|------|-------------|--------------|------|------|--------|
|--|---------|------|-------------|--------------|------|------|--------|

x such U.S. provisional application have been filed as follows:

| Application Number | Date of Filing | Priority Claimed Under 35 USC 119 |
|--------------------|--------------------|--------------------------------------|
| 60/397275 | July 19, 2002 | x Yes No |
| 60/411081 | September 16, 2002 | x Yes No |
| 60/417490 | October 10, 2002 | x Yes No |
| 60/455777 | March 18, 2003 | x Yes No |

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of the United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information that is material to patentability in accordance with Title 37, Code of Federal

Regulations, §1.56 which became available to me between the filing date of the prior application and the national or PCT international filing date of this application:

| X | no such U.S./PCT applications have been filed. |
|---|---|
| | such U.S./PCT application have been filed as follow |

| Application Number | Relationship | Parent Application | Date of Filing |
|--------------------|--------------|--------------------|----------------|
| | | | |
| | <u> </u> | | |
| | | | |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint:

All practitioners at Customer Number 00959 (listed here):

| James E. Cockfield | 19,162 | Jeanne M. DiGiorgio | 41,710 | Hathaway P. Russell | 46,488 |
|------------------------|--------|--------------------------------------|--------|---------------------------|--------|
| Thomas V. Smurzynski | 24,798 | Megan E. Williams | 43,270 | John S. Curran | 50,445 |
| Ralph A. Loren | 29,325 | Jeremiah Lynch | 17,425 | Lisa M. DiRocco | 51,619 |
| Giulio A. DeConti, Jr. | 31,503 | David J. Rikkers | 43,882 | Danielle L. Herritt | 43,670 |
| Elizabeth A. Hanley | 33,505 | * Maria Laccotripe Zacharakis, Ph.D. | | Cynthia M. Soroos | 53,623 |
| Amy E. Mandragouras | 36,207 | Debra J. Milasincic | 46,931 | Jonathan M. Sparks, Ph.D. | 53,624 |
| Anthony A. Laurentano | 38,220 | David R. Burns | 46,590 | Merideth C. Arnold | 52,568 |
| Kevin J. Canning | 35,470 | Sean D. Detweiler | 42,482 | Peter W. Dini, Ph.D. | 52,821 |
| Jane E. Remillard | 38,872 | Cynthia L. Kanik, Ph.D. | 37,320 | Andrina Williams Zink | 54,539 |
| DeAnn F. Smith | 36,683 | Theodore R. West | 47,202 | John D. Lanza | 40,060 |

^{*} Limited Recognition Under 37 C.F.R. § 10.9(b)

all of Lahive & Cockfield, LLP, 28 State Street, Boston, Massachusetts 02109,

and to:

| Regina M. Anderson | 35,820 | Patricia Coleman James | 37,155 | Lawrence S. Pope | 26,791 |
|---------------------|--------|------------------------|--------|-----------------------|--------|
| Cheryl L. Becker | 35,441 | Gregory W. Steele | 33,796 | Christopher P. Rogers | 36,334 |
| Portia L. Chen, | 44,075 | David L. Weinstein | 28,128 | Nicholas A. Poulos | 30,209 |
| Dianne Casuto | 40,943 | Michael J. Ward | 37,960 | William E. Murray | 30,303 |
| Allen W. Wark | 30,503 | Brian R. Woodworth | 33,137 | William J. Winter | 36,060 |
| Steven R. Crowley | 31,604 | Steven F. Weinstock | 30,117 | Nickki L. Parlett | 44,996 |
| Andreas M. Danckers | 32,652 | Michael R. Crabb | 37,298 | David J. Schodin | 41,294 |
| Gregory B. Donner | 34,580 | Kalim S. Fuzail | 45,805 | Mimi C. Goller | 39,046 |
| Beth A. Vrioni | 39,869 | Paul D. Yasger | 37,477 | Thomas D. Brainard | 32,459 |

all of Abbott Laboratories, 100 Abbott Park Road, Abbott Park, IL 60064,

| | • | |
|----|---|-----|
| an | a | to. |

John D. Conway

39,150 Kenneth Zwicker

43,310 Gayle B. O'Brien

48,812

Tara Seshadri 48,591

all of Abbott Bioresearch Center, 100 Research Dr., Worcester, MA 01605,

jointly, and each of them severally, my attorneys at law/patent agent(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the U. S. Patent and Trademark Office connected therewith.

Send Correspondence to Elizabeth A. Hanley, Esq. at Customer Number: 00959 whose address is:

LAHIVE & COCKFIELD, LLP, 28 State Street, Boston, MA 02109 Direct Telephone Calls to: Elizabeth A. Hanley, Esq., (617) 227-7400 Full name of first inventor Subhashis Banerjee Sole or first inventor's signature Date Residence Shrewsbury, Massachusetts Citizenship US Mailing Address 35 Hapgood Way Shrewsbury, Massachusetts 01545 Full name of second inventor

| Second inventor's signature | Date |
|-----------------------------|------|
| | |
| Residence | |
| Wadsworth, Illinois | |
| Citizenship US | |
| Mailing Address | |
| 14576 West Crabapple Drive | |
| Wadsworth, Illinois 60083 | |

| Full name of third inventor | |
|-------------------------------------|----------|
| Clive E. Spiegler | |
| Third inventor's signature | Date |
| | |
| | |
| Residence | |
| Reading, Berrkshire, United Kingdom | |
| Citizenship US | |
| Mailing Address | |
| 70 Peppard Road | |
| Emmer Green | |
| Reading | |
| Berkshire; RG4 8TL; UNITED KINGDOM | |
| | |
| Full name of fourth inventor | |
| Daniel Edward Tracey | |
| Fourth inventor's signature | Date |
| Fourth inventor's signature | Date |
| | |
| Residence | <u> </u> |
| Harvard, Massachusetts | |
| | |
| | |
| Mailing Address | |
| 149 Shaker Road | |
| Harvard, Massachusetts 01451 | |
| Harvard, Massachusetts 01451 | |
| | |
| Full name of fifth inventor | |
| | |
| Elliot K. Chartash | |
| Fifth inventor's signature | Date |
| | |
| Residence | |
| Randolph, New Jersey | |
| | |
| Citizenship US | |
| Mailing Address | |
| | |
| 28 Edinburgh Drive | |
| Randolph, New Jersey 07869 | |
| | |
| | |
| Full name of sixth inventor | |
| Rebecca S. Hoffman | |
| Sixth inventor's signature | Date |
| | |
| | |
| Residence | |
| Wilmette, Illinois | |
| Citizenship US | |
| Mailing Address | |
| | |
| 1300 Elmwood Avenue | |
| Wilmette, Illinois 60091 | |
| | |
| | |

| Full name of seventh inventor William T. Barchuk | |
|--|----------|
| | |
| Seventh inventor's signature | Date |
| | |
| Residence | |
| Madison, New Jersey | |
| Citizenship US | |
| Mailing Address | |
| 95 Madison Avenue | |
| Apt. 1 | |
| Madison, New Jersey 07940 | · |
| | |
| | |
| Full name of eighth inventor | |
| Philip Yan | |
| Eighth inventor's signature | Date |
| | |
| Residence | |
| Vernon Hills, Illinois | |
| | |
| Citizenship US Mailing Address | |
| Maining Address | |
| 368 Old Creek Road | |
| Vernon Hills, Illinois 60061 | |
| | |
| | |
| Full name of ninth inventor | |
| Anwar Murtaza | |
| Ninth inventor's signature | Date |
| 1 | 11/18/03 |
| Residence | 11/18/63 |
| Westborough, Massachusetts | · |
| Citizenship India | |
| Mailing Address | |
| | , |
| 30 Treetop Park | |
| Westborough, Massachusetts 01581 | |
| | |
| | |
| Full name of tenth inventor | |
| Jochen G. Salfeld | |
| Tenth inventor's signature | Date |
| | |
| Residence | |
| North Grafton, Massachusetts | |
| | |
| Citizenship Germany Mailing Address | |
| ivianing Address | |
| 177 Old Westboro Road | |
| North Grafton, Massachusetts 01536 | |
| | |

| Full name of eleventh inventor | |
|---|------|
| Steven Fischkoff | |
| Eleventh inventor's signature | Date |
| | |
| Residence | |
| Short Hills, New Jersey | |
| Citizenship US | |
| Mailing Address | |
| 5 Canoe Brook Road Short Hills, New Jersey 07078 | |
| | |



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TREATMENT OF PAIN USING TNFa INHIBITORS

the specification of which was filed on July 18, 2003 as Application No. 10/623035.

In the event that the filing date and/or Application No. are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request my attorneys/agent(s) at Lahive & Cockfield, LLP, 28 State Street, Boston, Massachusetts 02109, to insert above the filing date and/or Application No. of said application.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to herein.

I acknowledge the duty to disclose all information known to me that is material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

FOREIGN PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

| and of the approach on which priority is claimed. | |
|--|---|
| x no such foreign applications have been filed | · |
| such foreign application have been filed as follows: | |

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

| Application Number | Country | Date of Filing | Priority Claimed Under 35 USC 119 |
|--------------------|---------|----------------|--------------------------------------|
| , | | | Yes No |
| | | | Yes No |
| | | , | Yes No |

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

| Country | Date of Filing |
|---------|----------------|
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| | |
| | Country |

CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

I hereby claim priority benefits under Title 35, United States Code §119(e), of any United States provisional patent application(s) listed below:

| | 7 | | | | | |
|---|----------------|-------------|--------------|------|------|-------|
| 1 | no such U.S. | provinional | ammliaatiama | L | L | C:1-1 |
| | I no such o.s. | provisionar | applications | nave | been | mea. |
| | | 1 | 11 | | | |

x such U.S. provisional application have been filed as follows:

| Application Number | Date of Filing | Priority Claimed Under 35 USC 119 |
|--------------------|--------------------|--------------------------------------|
| 60/397275 | July 19, 2002 | x Yes No |
| 60/411081 | September 16, 2002 | x Yes No |
| 60/417490 | October 10, 2002 | x Yes No |
| 60/455777 | March 18, 2003 | x Yes No |

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of the United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information that is material to patentability in accordance with Title 37, Code of Federal

Regulations, §1.56 which became available to me between the filing date of the prior application and the national or PCT international filing date of this application:

| • | х | no such | U.S./PCT | applications | have | been | filed |
|---|----------|---------|-----------|--------------|---------|-------|-------|
| • | <u> </u> | no suon | 0.5.71 C1 | approactions | IIa v C | OCCII | IIICC |

| | such U.S./PCT | application | have bee | n filed as | s follows: |
|--|----------------|-------------|------------|------------|-----------------|
| | DECIN CIONE CE | appinoution | AIG TO COO | n mou a | J 1 O 1 1 O 1 1 |

| Application Number | Relationship | Parent Application | Date of Filing |
|--------------------|--------------|--------------------|----------------|
| | | | |
| | · | | |
| | | | |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint:

All practitioners at Customer Number 00959 (listed here):

| James E. Cockfield | 19,162 | Jeanne M. DiGiorgio | 41,710 | Hathaway P. Russell | 46,488 |
|------------------------|--------|--------------------------------------|--------|---------------------------|--------|
| Thomas V. Smurzynski | 24,798 | Megan E. Williams | 43,270 | John S. Curran | 50,445 |
| Ralph A. Loren | 29,325 | Jeremiah Lynch | 17,425 | Lisa M. DiRocco | 51,619 |
| Giulio A. DeConti, Jr. | 31,503 | David J. Rikkers | 43,882 | Danielle L. Herritt | 43,670 |
| Elizabeth A. Hanley | 33,505 | * Maria Laccotripe Zacharakis, Ph.D. | | Cynthia M. Soroos | 53,623 |
| Amy E. Mandragouras | 36,207 | Debra J. Milasincic | 46,931 | Jonathan M. Sparks, Ph.D. | 53,624 |
| Anthony A. Laurentano | 38,220 | David R. Burns | 46,590 | Merideth C. Arnold | 52,568 |
| Kevin J. Canning | 35,470 | Sean D. Detweiler | 42,482 | Peter W. Dini, Ph.D. | 52,821 |
| Jane E. Remillard | 38,872 | Cynthia L. Kanik, Ph.D. | 37,320 | Andrina Williams Zink | 54,539 |
| DeAnn F. Smith | 36,683 | Theodore R. West | 47,202 | John D. Lanza | 40,060 |

^{*} Limited Recognition Under 37 C.F.R. § 10.9(b)

all of Lahive & Cockfield, LLP, 28 State Street, Boston, Massachusetts 02109,

and to:

| | | • | | | |
|---------------------|--------|------------------------|--------|-----------------------|--------|
| Regina M. Anderson | 35,820 | Patricia Coleman James | 37,155 | Lawrence S. Pope | 26,791 |
| Cheryl L. Becker | 35,441 | Gregory W. Steele | 33,796 | Christopher P. Rogers | 36,334 |
| Portia L. Chen, | 44,075 | David L. Weinstein | 28,128 | Nicholas A. Poulos | 30,209 |
| Dianne Casuto | 40,943 | Michael J. Ward | 37,960 | William E. Murray | 30,303 |
| Allen W. Wark | 30,503 | Brian R. Woodworth | 33,137 | William J. Winter | 36,060 |
| Steven R. Crowley | 31,604 | Steven F. Weinstock | 30,117 | Nickki L. Parlett | 44,996 |
| Andreas M. Danckers | 32,652 | Michael R. Crabb | 37,298 | David J. Schodin | 41,294 |
| Gregory B. Donner | 34,580 | Kalim S. Fuzail | 45,805 | Mimi C. Goller | 39,046 |
| Beth A. Vrioni | 39,869 | Paul D. Yasger | 37,477 | Thomas D. Brainard | 32,459 |
| | | | | | |

all of Abbott Laboratories, 100 Abbott Park Road, Abbott Park, IL 60064,

| and | to. |
|-----|-----|
| anu | to: |

John D. Conway Tara Seshadri 39,150 Kenneth Zwicker 48,591

43,310 Gayle B. O'Brien

48,812

all of Abbott Bioresearch Center, 100 Research Dr., Worcester, MA 01605,

jointly, and each of them severally, my attorneys at law/patent agent(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the U. S. Patent and Trademark Office connected therewith.

Send Correspondence to <u>Elizabeth A. Hanley, Esq.</u> at **Customer Number: 00959** whose address is:

LAHIVE & COCKFIELD, LLP, 28 State Street, Boston, MA 02109

Direct Telephone Calls to:

Elizabeth A. Hanley, Esq., (617) 227-7400

| (01// 25/ / 100 | |
|------------------------------------|---|
| Full name of first inventor | |
| Subhashis Banerjee | |
| Sole or first inventor's signature | Date |
| | |
| | |
| Residence | , |
| Shrewsbury, Massachusetts | |
| Citizenship US | |
| Mailing Address | *************************************** |
| | |
| 35 Hapgood Way | |
| Shrewsbury, Massachusetts 01545 | |
| · | |
| | |
| Full name of second inventor | |
| Lori K. Taylor | |
| Second inventor's signature | Date |
| | |
| <u>'</u> | |
| Residence | |
| Wadsworth, Illinois | |
| Citizenship US | |
| Mailing Address | |
| | |
| 14576 West Crabapple Drive | • |
| Wadsworth, Illinois 60083 | |

| E.W. College | |
|--|---|
| Full name of third inventor | ., |
| Clive E. Spiegler | |
| Third inventor's signature | Date |
| | |
| Residence | |
| Reading, Berrkshire, United Kingdom | |
| Citizenship US | |
| Mailing Address | |
| 70 Peppard Road | • |
| Emmer Green | |
| Reading | - · |
| Berkshire; RG4 8TL; UNITED KINGDOM | |
| · | |
| Full name of fourth inventor | |
| Daniel Edward Tracey | |
| Fourth inventor's signature | Date |
| | · |
| Residence | |
| Harvard, Massachusetts | • |
| Citizenship US | |
| Mailing Address | |
| Maining Addicess | |
| 149 Shaker Road | |
| Harvard, Massachusetts 01451 | |
| · | • |
| | |
| Full name of fifth inventor | |
| Elliot K. Chartash | |
| Fifth inventor's signature | Date |
| | , |
| Residence | |
| Randolph, New Jersey | |
| Citizenship US | |
| Mailing Address | <u>, , , , , , , , , , , , , , , , , , , </u> |
| Maining Addition | |
| 28 Edinburgh Drive | |
| Randolph, New Jersey 07869 | |
| | |
| | |
| Full name of sixth inventor | |
| Rebecca S. Hoffman | · |
| Sixth inventor's signature | Date |
| | |
| | |
| Residence | |
| Wilmette, Illinois | |
| Citizenship US | |
| Mailing Address | |
| 1300 Elmwood Avenue | |
| Wilmette, Illinois 60091 | |
| ······································ | • |

| Full name of seventh inventor | • |
|---|---------------------------------------|
| William T. Barchuk | |
| Seventh inventor's signature | Date |
| | |
| Residence | |
| Madison, New Jersey | |
| Citizenship US | |
| Mailing Address | |
| 95 Madison Avenue | • |
| Apt. 1 | |
| Madison, New Jersey 07940 | • |
| | |
| Full name of eighth inventor | · · · · · · · · · · · · · · · · · · · |
| Philip Yan | |
| Eighth inventor's signature | Date |
| · | |
| Residence | 1 |
| Vernon Hills, Illinois | |
| Citizenship US | |
| Mailing Address | |
| 368 Old Creek Road | |
| Vernon Hills, Illinois 60061 | |
| Volume value, inmost coccu | |
| | - |
| Full name of ninth inventor | |
| Anwar Murtaza Ninth inventor's signature | · |
| | D |
| Times arventor a signature | Date |
| | Date |
| Residence | Date |
| Residence Shrewsbury, Massachusetts | Date |
| Residence Shrewsbury, Massachusetts Citizenship India | Date |
| Residence Shrewsbury, Massachusetts Citizenship India Mailing Address | Date |
| Residence Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive | Date |
| Residence Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive Apt. 30 | Date |
| Residence Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive | Date |
| Residence Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive Apt. 30 Shrewsbury, Massachusetts 01545 | Date |
| Residence Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive Apt. 30 Shrewsbury, Massachusetts 01545 Full name of unth inventor | Date |
| Residence Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive Apt. 30 Shrewsbury, Massachusetts 01545 | Date / |
| Residence Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive Apt. 30 Shrewsbury, Massachusetts 01545 Full name of untuinventor Jochen J. Salfeld | |
| Residence Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive Apt. 30 Shrewsbury, Massachusetts 01545 Full name of unth inventor Jochen Salfeld Tentr prentor's signature | |
| Residence Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive Apt. 30 Shrewsbury, Massachusetts 01545 Full name of unth inventor Jochen Salfeld Tentr inventor's signature Residence | |
| Residence Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive Apt. 30 Shrewsbury, Massachusetts 01545 Full name of unth inventor Jochen Salfeld Tentri aventor's signature Residence North Grafton, Massachusetts | |
| Residence Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive Apt. 30 Shrewsbury, Massachusetts 01545 Full name of untuinventor Jochen Salfeld Tentri inventor's signature Residence North Grafton, Massachusetts Citizenship Germany | |
| Residence Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive Apt. 30 Shrewsbury, Massachusetts 01545 Full name of tenth inventor Jochen Salfeld Tenth aventor's signature Residence North Grafton, Massachusetts | |
| Residence Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive Apt. 30 Shrewsbury, Massachusetts 01545 Full name of unthinventor Jochen Salfeld Tentri inventor's signature Residence North Grafton, Massachusetts Citizenship Germany Mailing Address 177 Old Westboro Road | |
| Residence Shrewsbury, Massachusetts Citizenship India Mailing Address 50 Commons Drive Apt. 30 Shrewsbury, Massachusetts 01545 Full name of unth inventor Jochen Salfeld Tentral ventor's signature Residence North Grafton, Massachusetts Citizenship Germany Mailing Address | |

| Full name of eleventh inventor | |
|--------------------------------|------------|
| Steven Fischkoff | |
| Eleventh inventor's signature | Date |
| | |
| Residence | |
| Short Hills, New Jersey | • |
| Citizenship US | |
| Mailing Address | |
| | |
| 5 Canoe Brook Road | <u>.</u> . |
| Short Hills, New Jersey 07078 | • |
| | |



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TREATMENT OF PAIN USING TNFa INHIBITORS

the specification of which was filed on July 18, 2003 as Application No. 10/623035.

In the event that the filing date and/or Application No. are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request my attorneys/agent(s) at Lahive & Cockfield, LLP, 28 State Street, Boston, Massachusetts 02109, to insert above the filing date and/or Application No. of said application.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to herein.

I acknowledge the duty to disclose all information known to me that is material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

FOREIGN PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

| x no such foreign applications have been filed | | | | |
|--|---|--|--|--|
| such foreign application have been filed as follows: | ż | | | |

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

| Application Number | Country | Date of Filing | Priority Claimed Under 35 USC 119 |
|--------------------|---------|----------------|--------------------------------------|
| | | | Yes No |
| | | | Yes No |
| | · | | Yes No |

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

| Application Number | Country | Date of Filing |
|--------------------|---------|----------------|
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CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

I hereby claim priority benefits under Title 35, United States Code §119(e), of any United States provisional patent application(s) listed below:

| _ | _ | | • | | | | |
|---|-----|--------------|-------------|--------------|-------|------|-------|
| П | - 1 | no such U.S. | provisional | annliaationa | harra | h | f:1.4 |
| 1 | | no such o.s. | provisional | applications | nave | Deen | mea. |
| ᆫ | | | - | T T | | | |

x such U.S. provisional application have been filed as follows:

| Application Number | Date of Filing | Priority Claimed Under 35 USC 119 |
|--------------------|--------------------|--------------------------------------|
| 60/397275 | July 19, 2002 | x Yes No |
| 60/411081 | September 16, 2002 | x Yes No |
| 60/417490 | October 10, 2002 | x Yes No |
| 60/455777 | March 18, 2003 | x Yes No |

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of the United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information that is material to patentability in accordance with Title 37, Code of Federal

Regulations, §1.56 which became available to me between the filing date of the prior application and the national or PCT international filing date of this application:

| X | no s | uch | U.S./PC | Γ | applications | have | been | filed. |
|---|------|-----|---------|---|--------------|------|------|--------|
| | | | | | | | | |

| | such U.S./PCT | application | have beer | filed as | follows: |
|--|---------------|-------------|-----------|----------|----------|
|--|---------------|-------------|-----------|----------|----------|

| Application Number Relationship | | oplication Number Relationship Parent Application | | | |
|---------------------------------|--|---|---|--|--|
| | | | - | | |
| | | | | | |
| | | | | | |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint:

All practitioners at Customer Number 00959 (listed here):

| | | | • | | |
|------------------------|--------|--------------------------------------|--------|---------------------------|--------|
| James E. Cockfield | 19,162 | Jeanne M. DiGiorgio | 41,710 | Hathaway P. Russell | 46,488 |
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| Ralph A. Loren | 29,325 | Jeremiah Lynch | 17,425 | Lisa M. DiRocco | 51,619 |
| Giulio A. DeConti, Jr. | 31,503 | David J. Rikkers | 43,882 | Danielle L. Herritt | 43,670 |
| Elizabeth A. Hanley | 33,505 | * Maria Laccotripe Zacharakis, Ph.D. | | Cynthia M. Soroos | 53,623 |
| Amy E. Mandragouras | 36,207 | Debra J. Milasincic | 46,931 | Jonathan M. Sparks, Ph.D. | 53,624 |
| Anthony A. Laurentano | 38,220 | David R. Burns | 46,590 | Merideth C. Arnold | 52,568 |
| Kevin J. Canning | 35,470 | Sean D. Detweiler | 42,482 | Peter W. Dini, Ph.D. | 52,821 |
| Jane E. Remillard | 38,872 | Cynthia L. Kanik, Ph.D. | 37,320 | Andrina Williams Zink | 54,539 |
| DeAnn F. Smith | 36,683 | Theodore R. West | 47,202 | John D. Lanza | 40,060 |
| | | | | | |

^{*} Limited Recognition Under 37 C.F.R. § 10.9(b)

all of Lahive & Cockfield, LLP, 28 State Street, Boston, Massachusetts 02109,

and to:

| Regina M. Anderson | 35.820 | Patricia Coleman James | 37,155 | Lawrence S. Pope | 26,791 |
|---------------------|--------|------------------------|--------|-----------------------|--------|
| Cheryl L. Becker | 35,441 | Gregory W. Steele | 33,796 | Christopher P. Rogers | 36,334 |
| Portia L. Chen, | 44,075 | David L. Weinstein | | Nicholas A. Poulos | 30,209 |
| Dianne Casuto | 40,943 | Michael J. Ward | 37,960 | William E. Murray | 30,303 |
| Allen W. Wark | 30,503 | Brian R. Woodworth | 33,137 | William J. Winter | 36,060 |
| Steven R. Crowley | 31,604 | Steven F. Weinstock | 30,117 | Nickki L. Parlett | 44,996 |
| Andreas M. Danckers | 32,652 | Michael R. Crabb | 37,298 | David J. Schodin | 41,294 |
| Gregory B. Donner | 34,580 | Kalim S. Fuzail | 45,805 | Mimi C. Goller | 39,046 |
| Beth A. Vrioni | 39,869 | Paul D. Yasger | 37,477 | Thomas D. Brainard | 32,459 |

all of Abbott Laboratories, 100 Abbott Park Road, Abbott Park, IL 60064,

| and | l to |
|-------|--------|
| 21111 | 1 11 1 |

John D. Conway Tara Seshadri

Mailing Address

14576 West Crabapple Drive Wadsworth, Illinois 60083

39,150 Kenneth Zwicker

48,591

43,310 Gayle B. O'Brien

48,812

all of Abbott Bioresearch Center, 100 Research Dr., Worcester, MA 01605,

jointly, and each of them severally, my attorneys at law/patent agent(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the U. S. Patent and Trademark Office connected therewith.

Send Correspondence to <u>Elizabeth A. Hanley, Esq.</u> at **Customer Number: 00959** whose address is:

LAHIVE & COCKFIELD, LLP, 28 State Street, Boston, MA 02109 Direct Telephone Calls to: Elizabeth A. Hanley, Esq., (617) 227-7400 Full name of first inventor Subhashis Baneriee Sole or first inventor's signature Date Residence Shrewsbury, Massachusetts Citizenship US Mailing Address 35 Hapgood Way Shrewsbury, Massachusetts 01545 Full name of second inventor Lori K. Taylor Second inventor's signature Date Residence Wadsworth, Illinois Citizenship US

| Full name of third inventor | |
|---------------------------------------|----------|
| Clive E. Spiegler | |
| Third inventor's signature | Date |
| | |
| Residence | <u> </u> |
| Reading, Berrkshire, United Kingdom | |
| Citizenship US | |
| Mailing Address | |
| 70 Peppard Road | |
| Emmer Green | |
| Reading | |
| Berkshire; RG4 8TL; UNITED KINGDOM | |
| | |
| Full name of fourth inventor | |
| Daniel Edward Tracey | • |
| Fourth inventor's signature | Date |
| | |
| | - |
| Residence | |
| Harvard, Massachusetts | |
| Citizenship US | |
| Mailing Address | |
| | |
| 149 Shaker Road | |
| Harvard, Massachusetts 01451 | |
| | |
| Full name of fifth inventor | |
| Elliot K. Chartash | • |
| Fifth inventor's signature | |
| Little inveitor 2 signature | Date |
| | |
| Residence | |
| Randolph, New Jersey | |
| Citizenship US | / |
| Mailing Address | |
| | |
| 28 Edinburgh Drive | |
| Randolph, New Jersey 07869 | |
| | |
| • | • |
| Full name of sixth inventor | |
| Rebecca S. Hoffman | • |
| Sixth inventor's signature | Date |
| | |
| David | <u> </u> |
| Residence Wilmotto Illinoia | |
| Wilmette, Illinois | |
| Citizenship US | |
| Mailing Address | |
| 1300 Elmwood Avenue | • |
| Wilmette, Illinois 60091 | |
| · · · · · · · · · · · · · · · · · · · | |

| Full name of seventh inventor William T. Barchuk | |
|--|---|
| Seventh inventor's signature | |
| Seventi inventor 5 signature | Date . |
| | |
| Residence | 1 |
| Madison, New Jersey | • |
| Citizenship US | |
| Mailing Address | |
| 95 Madison Avenue | • |
| Apt. 1 | • |
| Madison, New Jersey 07940 | · · · · · · · · · · · · · · · · · · · |
| | |
| Full name of eighth inventor | |
| Philip Yan | |
| Eighth inventor's signature | Date |
| | |
| | · |
| Residence | |
| Vernon Hills, Illinois | |
| Citizenship US | |
| Mailing Address | , |
| 368 Old Creek Road | |
| Vernon Hills, Illinois 60061 | · |
| | |
| | `, |
| Full name of ninth inventor Anwar Murtaza | |
| Ninth inventor's signature | Date |
| | Date |
| | |
| Residence | |
| Shrewsbury, Massachusetts | |
| Citizenship India | |
| Mailing Address | |
| 50 Commons Drive | • |
| Apt. 30 | |
| Shrewsbury, Massachusetts 01545 | |
| | 1.11.11.11.11.11.11.11.11.11.11.11.11.1 |
| Full name of tenth inventor | |
| Jochen G. Salfeld | |
| Tenth inventor's signature | Date |
| | 1. |
| Residence | <u> </u> |
| North Grafton, Massachusetts | |
| Citizenship Germany | |
| Mailing Address | |
| 155 01 W. J. D. J. | |
| 177 Old Westboro Road | |
| North Grafton, Massachusetts 01536 | |

| Full name of eleventh inventor |
|------------------------------------|
| Steven Fischkoff |
| Eleventh inventor's signature Date |
| 119 11/260 |
| Residence |
| Short Hills, New Jersey |
| Citizenship US |
| Mailing Address |
| |
| 5 Canoe Brook Road |
| Short Hills, New Jersey 07078 |
| |



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TREATMENT OF PAIN USING TNFa INHIBITORS

the specification of which was filed on July 18, 2003 as Application No. 10/623035.

In the event that the filing date and/or Application No. are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request my attorneys/agent(s) at Lahive & Cockfield, LLP, 28 State Street, Boston, Massachusetts 02109, to insert above the filing date and/or Application No. of said application.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to herein.

I acknowledge the duty to disclose all information known to me that is material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

FOREIGN PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

| x no such foreign applications have been filed | | • |
|--|----|---|
| such foreign application have been filed as follows: | ٠. | |

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

| Application Number | Application Number Country | | Priority Claimed Under 35 USC 119 |
|--------------------|----------------------------|--|--------------------------------------|
| | | | Yes No |
| | | | Yes No |
| | | | Yes No |

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

| Application Number | Country | Date of Filing | | |
|--------------------|---------|----------------|--|--|
| · | | | | |
| · | | | | |
| | | | | |

CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

I hereby claim priority benefits under Title 35, United States Code §119(e), of any United States provisional patent application(s) listed below:

| | 1 | | • | | | |
|---|--------------|---------------|--------------|------|-------|-------|
| 1 | no such U.S. | provisional | applications | have | heen | filed |
| L | no such C.S. | . provisionai | applications | navc | UCCII | meu. |

x such U.S. provisional application have been filed as follows:

| Application Number | Date of Filing | Priority Claimed Under 35 USC 119 | | |
|--------------------|--------------------|--------------------------------------|--|--|
| 60/397275 | July 19, 2002 | x Yes No | | |
| 60/411081 | September 16, 2002 | x Yes No | | |
| 60/417490 | October 10, 2002 | x Yes No | | |
| 60/455777 | March 18, 2003 | x Yes No | | |

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of the United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information that is material to patentability in accordance with Title 37, Code of Federal

Regulations, §1.56 which became available to me between the filing date of the prior application and the national or PCT international filing date of this application:

| х | no s | uch | U.S. | /PCT | application | s have | been | filed |
|---|------|-----|------|------|-------------|--------|------|-------|
|---|------|-----|------|------|-------------|--------|------|-------|

| | Y | | | | |
|--|----------------|-------------|-----------|----------|----------|
| | such U.S./PCT | 1. | | C'1 1 | c 11 |
| | CHON II NAPI I | annlication | have been | tiled ac | tollower |
| | | abblication | Have been | THEU as | TOHOWS. |
| | | | | | |

| Application Number | Relationship | Parent Application | Date of Filing |
|--------------------|--------------|--------------------|----------------|
| | | | |
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint:

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^{*} Limited Recognition Under 37 C.F.R. § 10.9(b)

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jointly, and each of them severally, my attorneys at law/patent agent(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the U. S. Patent and Trademark Office connected therewith.

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